

Title (en)  
WIRING DEVICE AND COMPRESSOR

Title (de)  
VERKABELUNGSVORRICHTUNG UND VERDICHTER

Title (fr)  
DISPOSITIF DE CÂBLAGE ET COMPRESSEUR

Publication  
**EP 3905444 A4 20220406 (EN)**

Application  
**EP 19937532 A 20191230**

Priority  
• CN 201921104245 U 20190715  
• CN 2019129934 W 20191230

Abstract (en)  
[origin: EP3905444A1] A wiring device, comprising a junction box cover (10), a wiring spacer (20), and a seal terminal (30). The wiring device is disposed on a housing cover (40) of a compressor. The junction box cover (10) is disposed on the junction spacer (20) and forms a cavity space, and the cavity space is provided with a wiring opening at the end away from the seal terminal (30). The seal terminal (30) is provided with 3 wiring columns (301); each wiring column (301) is connected to a piece of connector along the extending direction of the wiring column (301) away from the housing cover (40); and the connector all extend in the direction close to the wiring opening so that the outgoing directions of lead wires are consistent. The present structure enables the lead wires to go out smoothly so as to improve production efficiency. The outgoing directions of three lead wires are consistent, so that the seal wiring columns (301) is evenly stressed and safety hazards are eliminated. In addition, the consistency of the wire outgoing directions avoids the problems of local wiring and wire superposition, such that the layout of the internal space of the junction box cover (10) is reasonable, thereby further improving the safety of the device.

IPC 8 full level  
**H01R 9/24** (2006.01); **F04B 39/00** (2006.01); **F04B 39/12** (2006.01)

CPC (source: EP US)  
**F04B 35/04** (2013.01 - EP); **F04B 39/121** (2013.01 - EP); **H01R 9/24** (2013.01 - US); **H02G 3/081** (2013.01 - US); **H02G 3/18** (2013.01 - US); **H01R 11/11** (2013.01 - US); **H01R 13/521** (2013.01 - EP)

Citation (search report)  
• [XA] US 6779989 B2 20040824 - MAKINO MASAHIKO [JP], et al  
• [XA] US 5199898 A 19930406 - WISNER RONALD R [US]  
• [YA] WO 2018194106 A1 20181025 - DAIKIN IND LTD [JP]  
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• [A] US 6290528 B1 20010918 - MOORE JR BILLY W [US], et al  
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• [A] US 2013330217 A1 20131212 - ENAMI SHINGO [JP], et al  
• See also references of WO 2021008091A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3905444 A1 20211103**; **EP 3905444 A4 20220406**; **EP 3905444 B1 20240207**; CN 209948088 U 20200114; JP 2022519835 A 20220325; US 11929601 B2 20240312; US 2022077667 A1 20220310; WO 2021008091 A1 20210121

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**EP 19937532 A 20191230**; CN 2019129934 W 20191230; CN 201921104245 U 20190715; JP 2021545452 A 20191230; US 201917423483 A 20191230